

## General

### Title

Diagnostic flexible bronchoscopy: proportion of bronchoscopies done with the appropriate number, skill mix and competence of staff.

### Source(s)

British Thoracic Society (BTS). Quality standards for diagnostic flexible bronchoscopy in adults. London (UK): British Thoracic Society (BTS); 2014 Dec. 37 p. (British Thoracic Society Reports; no. 5). [28 references]

## Measure Domain

### Primary Measure Domain

Clinical Quality Measures: Structure

### Secondary Measure Domain

Clinical Quality Measure: Process

## Brief Abstract

### Description

This measure is used to assess the proportion of bronchoscopies done with the appropriate number, skill mix and competence of staff.

### Rationale

Staff numbers and skill mix in endoscopy are influenced by health care provider demands and changes, variation in patient complexity, and changes in sedation practices.

The number of patients, patient acuity, and physical layout of the unit, available technology, and staff education, experience and competency must be considered in determining appropriate staffing levels.

A high quality, patient-centred endoscopy service depends on staff who are properly trained, adequately supported, have balanced skill mix and are recognised and rewarded for a job done well.

The British Thoracic Society (BTS) guideline for diagnostic flexible bronchoscopy in adults (Du Rand et al., 2013) and the BTS guideline for advanced diagnostic and therapeutic flexible bronchoscopy in adults (Du Rand et al., 2011) are the main references for the quality standards.

## Evidence for Rationale

British Thoracic Society (BTS). Quality standards for diagnostic flexible bronchoscopy in adults. London (UK): British Thoracic Society (BTS); 2014 Dec. 37 p. (British Thoracic Society Reports; no. 5). [28 references]

Du Rand IA, Barber PV, Goldring J, Lewis RA, Mandal S, Munavvar M, Rintoul RC, Shah PL, Singh S, Slade MG, Woolley A, British Thoracic Society Interventional Bronchoscopy Guideline Group. British Thoracic Society guideline for advanced diagnostic and therapeutic flexible bronchoscopy in adults. Thorax. 2011 Nov;66(Suppl 3):iii1-21. [131 references] [PubMed](#)

Du Rand IA, Blaikley J, Booton R, Chaudhuri N, Gupta V, Khalid S, Mandal S, Martin J, Mills J, Navani N, Rahman NM, Wrightson JM, Munavvar M, British Thoracic Society Bronchoscopy Guideline Group. British Thoracic Society guideline for diagnostic flexible bronchoscopy in adults. Thorax. 2013 Aug;68(Suppl 1):i1-44. [303 references] [PubMed](#)

## Primary Health Components

Flexible bronchoscopy; staffing level; skill mix; competence of staff

## Denominator Description

Number of procedures carried out

## Numerator Description

Number of procedures carried out with the appropriate staffing level, skill mix and competency (see the related "Numerator Inclusions/Exclusions" field)

## Evidence Supporting the Measure

### Type of Evidence Supporting the Criterion of Quality for the Measure

A clinical practice guideline or other peer-reviewed synthesis of the clinical research evidence

### Additional Information Supporting Need for the Measure

Unspecified

### Extent of Measure Testing

Unspecified

### National Guideline Clearinghouse Link

# State of Use of the Measure

## State of Use

Current routine use

## Current Use

not defined yet

# Application of the Measure in its Current Use

## Measurement Setting

Ambulatory Procedure/Imaging Center

Hospital Inpatient

Hospital Outpatient

## Professionals Involved in Delivery of Health Services

not defined yet

## Least Aggregated Level of Services Delivery Addressed

Single Health Care Delivery or Public Health Organizations

## Statement of Acceptable Minimum Sample Size

Does not apply to this measure

## Target Population Age

Does not apply to this measure

## Target Population Gender

Does not apply to this measure

# National Strategy for Quality Improvement in Health Care

National Quality Strategy Aim

National Quality Strategy Aim

Better Care

National Quality Strategy Priority

## Institute of Medicine (IOM) National Health Care Quality Report Categories

IOM Care Need

Not within an IOM Care Need

IOM Domain

Not within an IOM Domain

## Data Collection for the Measure

Case Finding Period

Unspecified

Denominator Sampling Frame

Patients associated with provider

Denominator (Index) Event or Characteristic

Diagnostic Evaluation

Denominator Time Window

not defined yet

Denominator Inclusions/Exclusions

Inclusions

Number of procedures carried out

Exclusions

Unspecified

Exclusions/Exceptions

not defined yet

## Numerator Inclusions/Exclusions

### Inclusions

Number of procedures carried out with the appropriate staffing level, skill mix and competency

Note: Minimum staffing levels during bronchoscopy procedures include:

A suitably trained and competent bronchoscopist to consent the patient, co-ordinate the safety checklist, administer sedation and perform the required procedure.

A minimum of two suitably trained and competent endoscopy assistants, of whom at least one is a qualified nurse, to be present at endoscopy.

One assistant is dedicated to assisting the bronchoscopist during the procedure.

One assistant is dedicated to patient care, to monitor the patient's safety, comfort and wellbeing and to communicate significant changes to the bronchoscopist.

An additional endoscopy assistant to assist the team during more advanced bronchoscopic procedures, such as endobronchial ultrasound (EBUS) or cryoBx/diathermy, etc.

A suitably trained and competent health care professional available to perform pre-procedure care, assessment and intravenous (IV) cannulation prior to bronchoscopy.

A suitably trained and competent health care professional available to monitor and assess the patient during the recovery period.

A suitably trained and competent person available to adequately clean and decontaminate bronchoscopy equipment.

### Exclusions

Unspecified

## Numerator Search Strategy

Fixed time period or point in time

## Data Source

Administrative clinical data

## Type of Health State

Does not apply to this measure

## Instruments Used and/or Associated with the Measure

Unspecified

## Computation of the Measure

## Measure Specifies Disaggregation

Does not apply to this measure

## Scoring

Rate/Proportion

## Interpretation of Score

Desired value is a higher score

## Allowance for Patient or Population Factors

not defined yet

## Standard of Comparison

not defined yet

## Identifying Information

### Original Title

Quality statement 2d.

### Measure Collection Name

Quality Standards for Diagnostic Flexible Bronchoscopy in Adults

### Submitter

British Thoracic Society - Medical Specialty Society

### Developer

British Thoracic Society - Medical Specialty Society

### Funding Source(s)

British Thoracic Society

## Composition of the Group that Developed the Measure

A Quality Standards Working Group was convened in September 2013, with the following membership:

Dr Ingrid Du Rand, *Co-Chair*, consultant respiratory physician, Hereford  
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Dr John Blaikley, senior lecturer and honorary consultant respiratory physician, Manchester  
Dr Richard Booton, consultant respiratory physician, Manchester  
Dr Nazia Chaudhuri, consultant respiratory physician, Manchester  
Dr James Finnerty, consultant respiratory physician, Chester  
Dr Vandana Gupta, specialist registrar in respiratory medicine, Manchester  
Dr Saifudin Khalid, consultant respiratory physician, Blackburn  
Dr Swapna Mandal, specialist registrar in respiratory medicine, London  
Ms Julie Martin, respiratory nurse consultant, Manchester  
Mrs Anne McCloy, lay representative  
Ms Janet Mills, respiratory nurse, Preston  
Dr Neal Navani, consultant respiratory physician, London  
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## Financial Disclosures/Other Potential Conflicts of Interest

Members of the Quality Standards Group submitted Declaration of Interest forms in line with the British Thoracic Society (BTS) policy and copies of forms are available online via the [BTS Web site](#)

or on request from the BTS Head Office.

## Adaptation

This measure was not adapted from another source.

## Date of Most Current Version in NQMC

2014 Dec

## Measure Maintenance

The Quality Standards document will be reviewed in 2018 or following the publication of a revised guideline, whichever is the sooner.

## Date of Next Anticipated Revision

2018

## Measure Status

This is the current release of the measure.

## Measure Availability

Source available from the [British Thoracic Society \(BTS\) Web site](#) .

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## NQMC Status

This NQMC summary was completed by ECRI Institute on November 15, 2016. The information was verified by the measure developer on January 4, 2017.

## Copyright Statement

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## Production

## Source(s)

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